



SPEC® CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY RX200 S4, Intel Xeon processor E5430,
2.66 GHz

SPECfp®_rate2006 = 65.9

SPECfp_rate_base2006 = 65.9

CPU2006 license: 22

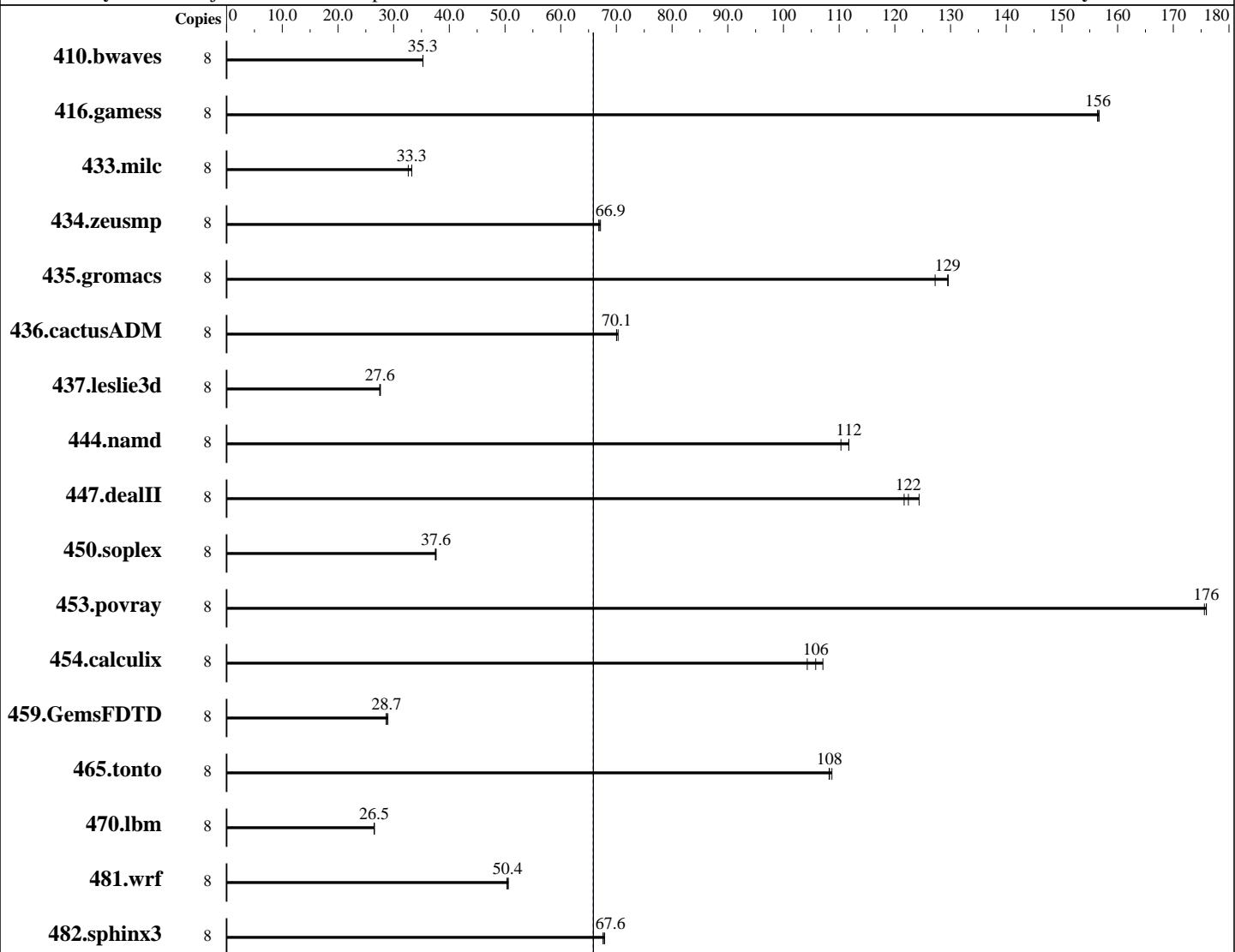
Test date: Nov-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Dec-2007

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2007



SPECfp_rate_base2006 = 65.9

SPECfp_rate2006 = 65.9

Hardware

CPU Name: Intel Xeon E5430
CPU Characteristics: 1333 MHz system bus
CPU MHz: 2667
FPU: Integrated
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
CPU(s) orderable: 1,2 chips
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 12 MB I+D on chip per chip, 6 MB shared / 2 cores

Software

Operating System: SUSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
Compiler: Intel C++ and Fortran Compiler for Linux32 and Linux64 Version 10.1 - Build 20070725
Auto Parallel: No
File System: ext2
System State: Multiuser, Runlevel 3
Base Pointers: 64-bit

Continued on next page

Continued on next page



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY RX200 S4, Intel Xeon processor E5430,
2.66 GHz

SPECfp_rate2006 = 65.9

SPECfp_rate_base2006 = 65.9

CPU2006 license: 22

Test date: Nov-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Dec-2007

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2007

L3 Cache:	None
Other Cache:	None
Memory:	16 GB (8x2 GB PC2-5300F, 2 rank, CAS 5-5-5, with ECC)
Disk Subsystem:	Seagate ST973451SS (SAS, 73GB, 15000rpm)
Other Hardware:	None

Peak Pointers: 64-bit
Other Software: None

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	8	3084	35.3	<u>3084</u>	<u>35.3</u>	3083	35.3	8	3084	35.3	<u>3084</u>	<u>35.3</u>	3083	35.3
416.gamess	8	1002	156	1000	157	<u>1001</u>	<u>156</u>	8	1002	156	1000	157	<u>1001</u>	<u>156</u>
433.milc	8	2251	32.6	<u>2208</u>	<u>33.3</u>	2208	33.3	8	2251	32.6	<u>2208</u>	<u>33.3</u>	2208	33.3
434.zeusmp	8	1084	67.1	1089	66.8	<u>1088</u>	<u>66.9</u>	8	1084	67.1	1089	66.8	<u>1088</u>	<u>66.9</u>
435.gromacs	8	<u>441</u>	<u>129</u>	449	127	441	130	8	<u>441</u>	<u>129</u>	449	127	441	130
436.cactusADM	8	1365	70.0	<u>1365</u>	<u>70.1</u>	1360	70.3	8	1365	70.0	<u>1365</u>	<u>70.1</u>	1360	70.3
437.leslie3d	8	2722	27.6	2734	27.5	<u>2729</u>	<u>27.6</u>	8	2722	27.6	2734	27.5	<u>2729</u>	<u>27.6</u>
444.namd	8	582	110	574	112	<u>574</u>	<u>112</u>	8	582	110	574	112	<u>574</u>	<u>112</u>
447.dealII	8	<u>748</u>	<u>122</u>	736	124	752	122	8	<u>748</u>	<u>122</u>	736	124	752	122
450.soplex	8	1780	37.5	<u>1776</u>	<u>37.6</u>	1773	37.6	8	1780	37.5	<u>1776</u>	<u>37.6</u>	1773	37.6
453.povray	8	242	176	<u>242</u>	<u>176</u>	242	176	8	242	176	<u>242</u>	<u>176</u>	242	176
454.calculix	8	<u>624</u>	<u>106</u>	633	104	616	107	8	<u>624</u>	<u>106</u>	633	104	616	107
459.GemsFDTD	8	2931	29.0	2962	28.7	<u>2953</u>	<u>28.7</u>	8	2931	29.0	2962	28.7	<u>2953</u>	<u>28.7</u>
465.tonto	8	724	109	<u>727</u>	<u>108</u>	728	108	8	724	109	<u>727</u>	<u>108</u>	728	108
470.lbm	8	4148	26.5	<u>4145</u>	<u>26.5</u>	4143	26.5	8	4148	26.5	<u>4145</u>	<u>26.5</u>	4143	26.5
481.wrf	8	1775	50.4	<u>1771</u>	<u>50.4</u>	1766	50.6	8	1775	50.4	<u>1771</u>	<u>50.4</u>	1766	50.6
482.sphinx3	8	2297	67.9	<u>2305</u>	<u>67.6</u>	2306	67.6	8	2297	67.9	<u>2305</u>	<u>67.6</u>	2306	67.6

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run

General Notes

This result has been produced with binaries provided and compiled by Intel.

BIOS configuration:

Hardware Prefetch = Disable, Adjacent Sector Prefetch = Disable

For information about Fujitsu Siemens Computers please see:
<http://www.fujitsu-siemens.com>



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY RX200 S4, Intel Xeon processor E5430,
2.66 GHz

SPECfp_rate2006 = 65.9

SPECfp_rate_base2006 = 65.9

CPU2006 license: 22

Test date: Nov-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Dec-2007

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2007

Base Compiler Invocation

C benchmarks:
`icc`

C++ benchmarks:
`icpc`

Fortran benchmarks:
`ifort`

Benchmarks using both Fortran and C:
`icc ifort`

Base Portability Flags

```
410.bwaves: -DSPEC_CPU_LP64
416.gamess: -DSPEC_CPU_LP64
 433.milc: -DSPEC_CPU_LP64
434.zeusmp: -DSPEC_CPU_LP64
435.gromacs: -DSPEC_CPU_LP64 -nofor_main
436.cactusADM: -DSPEC_CPU_LP64 -nofor_main
437.leslie3d: -DSPEC_CPU_LP64
 444.namd: -DSPEC_CPU_LP64
447.dealII: -DSPEC_CPU_LP64
450.soplex: -DSPEC_CPU_LP64
453.povray: -DSPEC_CPU_LP64
454.calculix: -DSPEC_CPU_LP64 -nofor_main
459.GemsFDTD: -DSPEC_CPU_LP64
 465.tonto: -DSPEC_CPU_LP64
 470.lbm: -DSPEC_CPU_LP64
 481.wrf: -DSPEC_CPU_LP64 -DSPEC_CPU_CASE_FLAG -DSPEC_CPU_LINUX
482.sphinx3: -DSPEC_CPU_LP64
```

Base Optimization Flags

C benchmarks:
`-fast`

C++ benchmarks:
`-fast`

Fortran benchmarks:
`-fast`

Benchmarks using both Fortran and C:
`-fast`



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY RX200 S4, Intel Xeon processor E5430,
2.66 GHz

SPECfp_rate2006 = 65.9

SPECfp_rate_base2006 = 65.9

CPU2006 license: 22

Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Nov-2007

Hardware Availability: Dec-2007

Software Availability: Nov-2007

Peak Optimization Flags

C benchmarks:

433.milc: basepeak = yes

470.lbm: basepeak = yes

482.sphinx3: basepeak = yes

C++ benchmarks:

444.namd: basepeak = yes

447.dealII: basepeak = yes

450.soplex: basepeak = yes

453.povray: basepeak = yes

Fortran benchmarks:

410.bwaves: basepeak = yes

416.gamess: basepeak = yes

434.zeusmp: basepeak = yes

437.leslie3d: basepeak = yes

459.GemsFDTD: basepeak = yes

465.tonto: basepeak = yes

Benchmarks using both Fortran and C:

435.gromacs: basepeak = yes

436.cactusADM: basepeak = yes

454.calculix: basepeak = yes

481.wrf: basepeak = yes

The flags file that was used to format this result can be browsed at

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-FP-intel64-linux-flags.20090714.05.html>

You can also download the XML flags source by saving the following link:

<http://www.spec.org/cpu2006/flags/Intel-ic10.1-FP-intel64-linux-flags.20090714.05.xml>



SPEC CFP2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu Siemens Computers

PRIMERGY RX200 S4, Intel Xeon processor E5430,
2.66 GHz

SPECfp_rate2006 = 65.9

SPECfp_rate_base2006 = 65.9

CPU2006 license: 22

Test date: Nov-2007

Test sponsor: Fujitsu Siemens Computers

Hardware Availability: Dec-2007

Tested by: Fujitsu Siemens Computers

Software Availability: Nov-2007

SPEC and SPECfp are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.0.

Report generated on Tue Jul 22 13:32:10 2014 by SPEC CPU2006 PS/PDF formatter v6932.

Originally published on 12 December 2007.